











LDEQ Disclaimer: The Louisiana Department of Environmental Quality (LDEQ) has made every reasonable effort to ensure quality and accuracy in producing this map or data set. Nevertheless, the user should be aware that the information on which it is based may have come from any of a variety of sources, which are of varying degrees of accuracy. Therefore, LDEQ cannot guarantee the accuracy of this map or data set, and does not accept any responsibility for the consequences of its use.

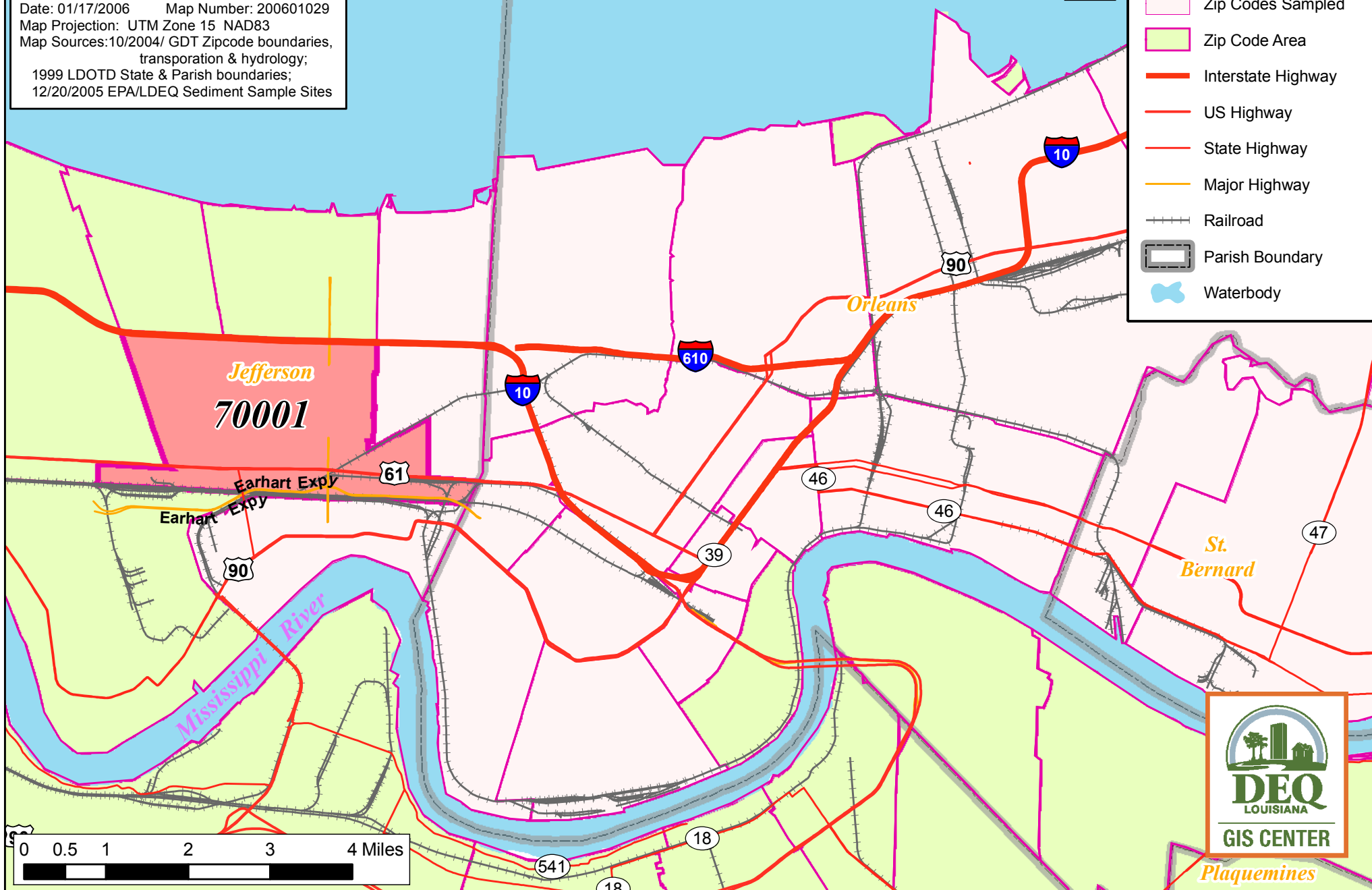
Date: 01/17/2006 Map Number: 200601029
Map Projection: UTM Zone 15 NAD83
Map Sources: 10/2004/ GDT Zipcode boundaries,
transportation & hydrology;
1999 LDOTD State & Parish boundaries;
12/20/2005 EPA/LDEQ Sediment Sample Sites

Lake Pontchartrain



Legend

-  70001 Zip Code Area
-  Zip Codes Sampled
-  Zip Code Area
-  Interstate Highway
-  US Highway
-  State Highway
-  Major Highway
-  Railroad
-  Parish Boundary
-  Waterbody



ENVIRONMENTAL STATUS REPORT ZIP CODE 70001

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0 0.2 0.4 0.8 1.2 Miles



Separate samples taken in close proximity may appear as one location on map.

70001

Legend

- | | |
|--|---------------------|
| ★ Identified for possible further evaluation | — Major Road |
| ⬡ One or more compounds exceed residential level | — Local Roads |
| ● No compounds exceed residential level | — Railroad |
| — Interstate Highway | — Waterbody |
| — US Highway | 70001 Zip Code Area |
| — State Highway | Zip Code Area |
| — Major Highway | Parish Boundary |

Date: 01/17/2006 Map Number: 200601028
 Map Projection: UTM Zone 15 NAD83
 Map Sources: 10/2004/ GDT Zipcode boundaries, transportation & hydrology;
 1999 LDOTD State & Parish boundaries;
 12/20/2005 EPA/LDEQ Sediment Sample Sites



SEDIMENT SAMPLE LOCATIONS WITHIN 70001



**Department of Environmental Quality
Office of Environmental Assessment**

OVERVIEW OF POST-KATRINA DATA FOR ZIP CODE 70001

The sediment and/or soil within the area flooded by Hurricane Katrina were tested to determine if there were contaminants present that might pose a risk to residents or the environment. Samples were collected at 19 locations within the zip code. The testing results indicated a variety of chemicals were present in the sediment/soil. These chemicals included primarily metals, petroleum hydrocarbons (such as diesel and oil), and pesticides that were used years ago (such as dieldrin). The presence of these chemicals is not surprising since these chemicals are commonly used in every day life and, therefore, are present in our environment. The most significant findings of the sediment/soil testing are summarized below.

- **Metals.** Overall, the concentrations of the metals detected in the sediment/soil were below levels of concern. The only exceptions were arsenic and lead. In general, arsenic was present at levels that are found naturally in the soil. However, at some of the locations sampled, arsenic was found to be significantly higher than background levels. The elevated levels of arsenic were found on golf greens and areas adjacent to golf courses and are most likely due to the routine use of arsenic-based herbicides for weed control on the course. Therefore, these elevated levels are not expected to pose a risk to the general public. Lead was found to be present at levels below the level of concern for residential areas with the exception of one location where it was slightly elevated. Elevated levels of lead in soil in cities are often associated with the past use of leaded-gasoline (automobile exhaust), lead-based paints, and pesticides.
- **Petroleum Hydrocarbons.** Diesel and oil-type petroleum hydrocarbons were found at the majority of the locations sampled. Polycyclic aromatic hydrocarbons (PAHs) (chemicals found in petroleum products, exhaust from automobiles, asphalt, cigarette smoke, etc.) were also found in the sediment/soil at some locations. The levels of these chemicals were below the level of concern except at nine locations. These elevated levels of petroleum-related chemicals are likely attributable to surface runoff from roadways and parking lots in combination with releases of petroleum products from vehicles submerged under floodwaters. Petroleum products naturally break down in the environment and it is expected that the concentrations of these chemicals will decrease to pre-Katrina levels over time.
- **Pesticides.** Several pesticides were found at a limited number of locations sampled but in all cases the concentrations were below the level of concern.

The sediment/soil testing results show little to no health risk in the areas impacted by Hurricane Katrina. In addition, sediments are no longer present at many of the locations that were sampled. Therefore, exposure to the sediment/soil is not expected to result in long-term health effects if people avoid obvious signs of hazardous materials, practice good personal hygiene, and use common sense. Some people may suffer from short-term effects related to dust, pollen and mold – which are prevalent because of the flooding and time of year. Three locations within the zip code have been identified for further sediment/soil evaluation and possible re-sampling.

Post-Katrina air monitoring results indicate that the concentrations of chemicals and particulate matter in the air have been, and continue to be, below state and federal health-based regulatory levels.